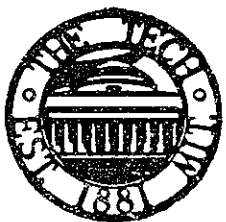


The Tech



OFFICIAL NEWSPAPER OF THE UNDERGRADUATES OF THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY

VOL. LXXVII NO. 5

CAMBRIDGE, MASSACHUSETTS, TUESDAY, FEBRUARY 26, 1957

5 CENTS

Beaver Key Favors New Election Setup, May Elect Up To 40

The members of next year's Beaver Key will be elected in a new way, it has been indicated. In a recent meeting of the Junior Honorary Society it was decided to abandon the old method of election in favor of a new system which would judge each candidate only on his merits and not compare him to other nominees. Also included was a change on the number elected, with a new maximum of forty.

However, only sixteen of the twenty-nine Key members were present; all of which voted for the plan, but a three-fourths majority is necessary to make it official. The remaining votes will be cast by absentee ballots.

The Key, like the Sophomore Quadrangle Club, formerly elected the next society in the following way: Each member was given ten votes, and the field of nominations was narrowed down to the top ten. Then each was voted upon, with voting and renominating continuing until twenty of the candidates had received a majority vote of the members present. Then these twenty electees would choose, by the same system, the final ten members of the club.

The new election system brings each candidate up separately, at which time a vote is taken on him. A two-thirds vote is then required for membership. If he does not make it at that time, he may be brought up for voting once more during the same meeting.

The second major change was the raising of the membership limit from thirty to forty; the lower limit being fifteen. The old Key will elect any number they wish; as may the electees so long as the total number does not exceed forty. During the meeting, there was considerable sentiment for dropping all limits from the motion. The forty was set, however, as a safeguard for the future; with a note to be placed in the amended constitution expressing the no-limit sentiment.

Tomorrow's Smoker Opens Talent Search For The Tech Staff

Not long ago, the morning mail of *The Tech* included the reprint of an article from the *Wall Street Journal* pointing the critical need in industry for "writers with technical skills." The story was headlined, "Firms Bid High For Engineers With Literary Bent; Mostly Devices But Costlier Words." The needs of *The Tech* run parallel to those of industry. Much of the affairs of the MIT scientific community are of considerable interest to the readers of *The Tech*. But without capable writers, these affairs cannot be made readable.

Any student with a bent for writing—freshman, upperclassmen or graduate student—is invited to the annual Spring *The Tech* Smoker tomorrow, February 27, in the Student Faculty Lounge, room 2-290, between 1 and 6 p.m. Invitations are also extended to all students interested in any phase of newspaper operation—reporting, sales, advertising, lay-out, art, and sports-writing. The Board of Directors report that positions are available in every Department of the newspaper.

To qualified writers, *The Tech* cannot offer the premium salaries paid in industry. What is offered, along with a position either on the News-features Staff of the News Board or the Editorial Board, is a relatively free hand in choosing story topics and the invaluable enrichment which comes from associating with top-flight scientists.



The captain and the team. Undergraduate President Arnie Amstutz '58 and his running-mate UAVP, Ritchie Coryell '58, survey the job ahead.

Prospective Employers Reach Peak This Month

Industry's annual talent hunt for the graduating scientist and engineer has climaxed in a surge of activity at the Office of Student Placement.

The Student Placement Bureau is now handling interviews between seniors and graduate students and about twelve to fourteen prospective employers each day. The Bureau, headed by Mr. Joe Jefferson, schedules interviews and counsels the students, giving them comparative information from sources in industry.

Each year the drive begins slowly in October and reaches a peak in February and March. Last year, 437 employers scheduled visits to the campus and conducted a total of 7119 student interviews. This was an average of 8 interviews for each of the 890 students using the Placement Bureau. Another 286 employers recruited by correspondence. To the senior, this is important because it gives him the chance to discover clearly what industry wants and what it offers.

The placement status of last year's seniors as of July 1956 was:

Civilian Employment	50%
Graduate Study	29%
Armed Forces	4%
Foreign Students	4%
Government Service	2%
Not Reported	11%

The initial contact was made in a number of ways, but about 57% of the seniors first met their employers through an on-campus placement interview.

The salary offers made to seniors ranged from \$340 to \$580 per month, with an average starting salary of about \$430. Holders of Master's De-

Dining Room To Jut, But Not Until 1958

Burton House will not have its new dining room before 1958, an Administration spokesman reported yesterday. Plans for the facilities are now being pushed to completion by the architects, Professors Brown and Catalano—and must then be finally approved by the Building Committee headed by President Killian.

"At the earliest," said the spokesman, "the dining room will be completed eleven months after the Building Committee gives the go-ahead. If there are no hitches it should be ready a year from next Fall—but not before."

The dining room, which will really be two separate dining rooms with a common kitchen, will be only partly contained within the present structure of Burton House. The actual eating area will overhang the driveway behind the building and jut out onto the athletic field.

grees averaged about \$490 per month starting pay and doctors averaged \$675 per month to start. The pay variations between courses or fields of study was not as great as that between individuals. It was noted that salary offers continued to rise throughout the year.

Ask WBTS Clause For Protection, Not Control, Dean Says

Protection, in view of its legal responsibility, and not increased control over student activities, is the Administration's aim in the case of WBTS and FM, according to Dean John T. Rule.

WBTS is seeking approval of its plan to ask the FCC for a ten-watt educational FM license. But, says Rule, before giving approval, "the Institute would like an advisory board which would have power to request and receive revision of any of the station's policies detrimental to the public relations of the Institute. This would be necessary since such stations are under FCC regulations and the Institute itself would be required to be responsible to the FCC."

Dean Rule has asked WBTS to amend its constitution to provide for this advisory board, which would consist of "an MIT Public Relations man, an alumnus now in the broadcasting industry, and an administration representative."

"But we are not dictating to them," says Rule. "We have asked the Managing Board to write their own amendment, then bring it to us and we'll get together and consider it."

One point which neither Dean Rule nor the Managing Board of WBTS could clarify is the exact nature of the FCC regulations governing the type of license which WBTS seeks. There is considerable speculation but no certainty regarding the amount of control the FCC would require the Administration to exert over the station's policies. No one is sure who would have to be listed as owner. In most other colleges with FM stations, the owner is the Corporations or the Trustees of the college or the station itself as a corporation.

One member of the Managing Board has said that the station is seriously thinking of incorporation.

Dean Rule has indicated that the amendment is being sought solely to comply with FCC regulations and, in the light of these, the Administration may accept a more lenient version than the one he has suggested.

Armstutz, Coryell Start Program After Victory

Arnold E. Amstutz '58 and Ritchie B. Coryell '58 were elected as Undergraduate Association President and Vice-President last week.

Amstutz won by a margin of 180 votes with a total of 787 votes against Helmut Weymar's 607. Coryell swept the UAVP election with a margin of 274 votes. On the first ballot Coryell polled 688, Larry Spiro 437, and Toni Deutsch 290. On the second ballot, after eliminating Deutsch, the count was Coryell 829, Spiro 555.

As usual, the turnout was small. Only 38% of the undergraduate body voted with the total number of votes cast at 1394.

The following joint statement was issued by Amstutz and Coryell last Thursday:

"We are naturally very pleased with the results of the election and the support which was given to our idea of President and Vice-President working together behind a specific platform. We certainly want to thank all those who helped us in the campaign. The work involved in running for these offices is very time consuming and without those who gave their time and assistance we couldn't have done it.

"After the organizational meeting on March 6, we will begin working to realize the goals of the platform and hope that through a revised procedure of legislation, everyone will be able to know what Incomm is doing and have their opinions expressed. We are looking forward to many concrete accomplishments before summer vacation."

Both Amstutz and Coryell stated that they were never at any time sure of victory. Both agreed that it was an interesting and active campaign. The two victors feel that by running on a joint ticket they have set a precedent. Coryell stated that he felt that he had an advantage due to the fact that his opposition was composed of a sophomore and a co-ed.

Both men have laid out a considerable amount of work for the next

year. The first big problem to be tackled will be hazing. Amstutz says that he plans to have a definite policy this spring. He states that a strict Judicial Committee will be needed to enforce such policy.

The problems of compulsory ROTC, parking, parietal rules, etc., are all slated for future action.

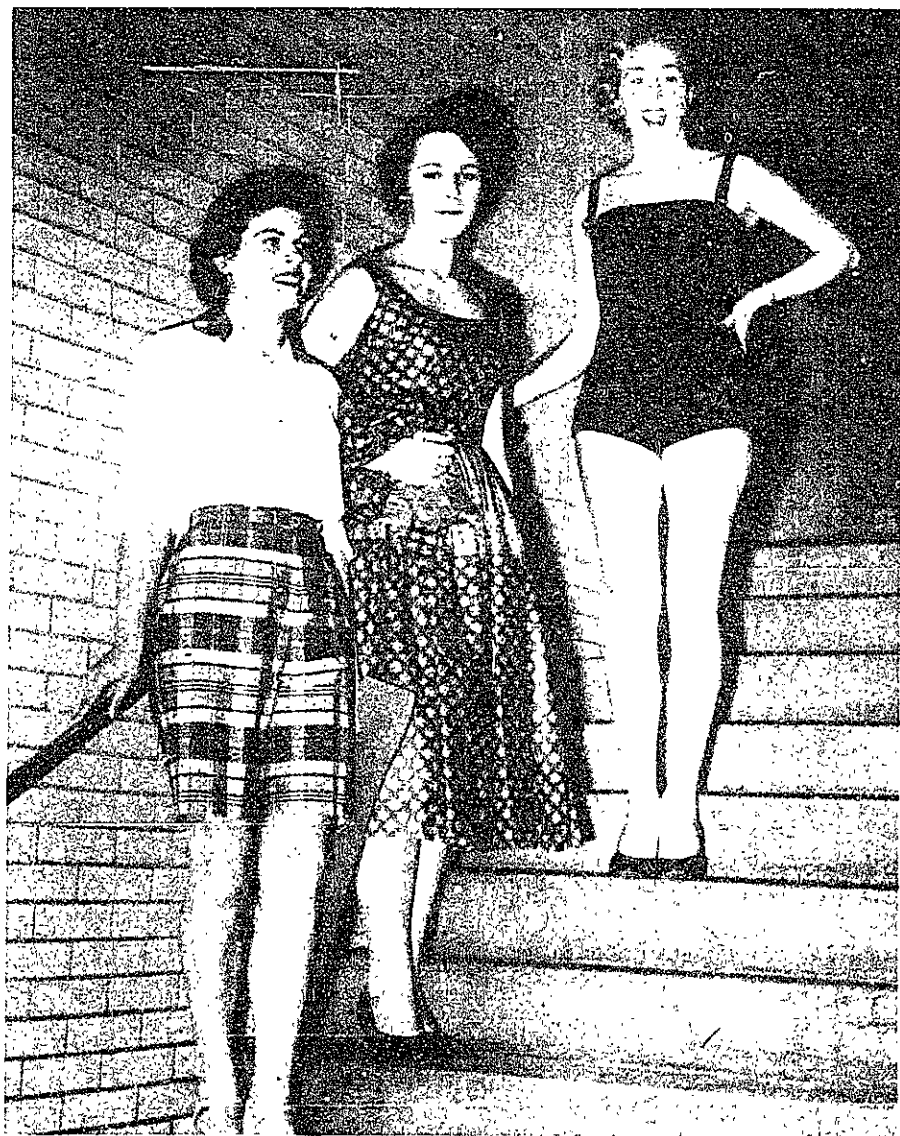
MIT Drops Backing Of Enrollments Conf.

The National Conference on Rising Enrollments, originally co-sponsored by the National Student Association and MIT and scheduled at Kresge Auditorium for the week-end of March 29-31, has been changed to a regional gathering under the sponsorship of NSA alone, but will still be held on the March date.

The conference has been called to debate the problem posed by an anticipated upsurge in numbers of students applying for college during the coming years. Solutions to the question which will be discussed range from general expansion of college educational and physical facilities to an attempt at making present buildings and staffs serve an increasingly carefully selected group of students.

In explaining the change in sponsorship, Bob Batchelder '57, co-chairman with Ben Chertok '57 of the MIT group coordinating the conference, said that since the NSA had failed to produce speakers and money for the conference by the first of February implementation of further plans by MIT could not be accomplished. "As time was running short and the NSA had not carried out their end of it," said Batchelder, "we decided to drop our part in the conference."

The conference will now be run by NSA alone on a regional basis, supported by fees to be charged upon registration. No information as to what speakers have been obtained is available.



Three Technology Damsels, wives of MIT students here model at the Alumni Pool in a preview of their Spring '58 Spice Fashion Show slated for March 18, at 8 p.m. in Kresge Auditorium. From left to right they are Pat Gottschalk, Marsha Avery, and Rene Ackley. Tickets for the show are 75 cents—all proceeds go to Hungarian Student Relief. And there's more where these three came from.

The



Tech

VOL. LXXVII Tuesday, February 26, 1957 No. 5

Entered as second class matter at the post office at Boston, Massachusetts. Published every Tuesday and Friday during the college year, except during college vacations, by THE TECH, Walker Memorial, Cambridge 39, Mass. Telephones TRowbridge 6-5855-6 or UUniversity 4-6900, Ext. 2731.

Ralph E. Manchester, Jr. '58 Chairman
F. William Daly '58 Managing Editor
Murray G. Kohlman '58 Business Manager
Leland E. Holloway, Jr. '58 Editorial Chairman
Stephen M. Samuels '59 News Editor
Patrick J. McGovern '59 Sports Editor
George E. Glen '59 Photography Chairman
F. John McElroy '59 Night Editor

SUBSCRIPTION RATES

	Institute	U.S. Mail	Foreign
1 Year	\$2.25	\$2.75	\$3.25
2 Years	\$4.00	\$5.00	\$6.00

reviews

Music In The Chapel

In the chapel on Sunday, February 24, at 4:00 p.m. William MacGowan was heard in a concert of early organ music. Assisting Mr. MacGowan were Grace Kazarian, soprano, Luella Ballentine, mezzo soprano, and John Burns, recorder. Organist and choirmaster at the Village Congregational Church at Whitinsville, Massachusetts. Mr. MacGowan played a program including the works of Schindler, Baston, Bach, and Drischner.

Several of the works deserve special mention. In the Concerto II for organ and recorder descant both Mr. MacGowan and Mr. Burns displayed artistry in their interpretation. The recorder is a difficult instrument to play with regard to intonation and the organist must be careful not to overpower or to play too full when accompanying the recorder.

In the Duet from the Cantata 196 of Bach, the soloists performed admirably and your reviewer feels that this was one of the high points of the concert.

Mr. MacGowan also chose five of the Max Drischner choral preludes for his program and they were extremely well received. In the "Zions Stille" a quartet sang with the organ.

One more composition should be mentioned—the Bach choral prelude "O Guiltless Lamb of God". An extremely emotional piece, gradually building up to a thrilling climax through the use of chromatic harmonies, Mr. MacGowan used the facilities of the "Little Gem" Holykamp admirably. Considering that the organ has no reeds (for better or worse) and has only twelve stops, it becomes a difficult matter to start from a pianissimo and gradually build a crescendo.

Although a capacity crowd was not present, those there were genuinely interested in the music as one could tell in the after concert chatter.

—G. Allen Langord

Tight Little Island

Tight Little Island, now playing at the Brattle Theatre, is the humorous, if not novel, story of simple folk who, for sundry reasons, have been deprived of their "water of life"—whiskey. In general the acting is excellent; the humorous situations prove humorous, though at times a bit too fantastic; and the plot is an oft-tried veteran.

The accent-clad story, draped over a little fishing island off the coast of Scotland, takes place during the war, when the English Captain Waggett has been sent to the island to organize the Home Guard, and, tragedy of tragedies, the alcoholic lifeblood of the island has been stopped at the still. Sergeant Odd returns from the fighting in North Africa and in no time flat has the local belle on the affirmative end of a marriage proposal. While the ineffectual captain is drilling the lethargic Home Guard and the villagers are bemoaning their dehydration, a ship carrying 50,000 cases of the beloved booze handily runs aground on rocks just off the island. The crew is hastily shipped back to the mainland, and the islanders are about to do some salvaging when the captain decides that the Home Guard should allow no looting, and he assigns the only member of it that he thinks he can trust, Sergeant Odd, to guard the ship. However, the sergeant is persuaded to recognize the need of refreshments at his engagement party; the Home Guard becomes suddenly efficient and rescues a few hundred cases; and the captain is soundly thwarted. Angered, and ready to arrest the rum-rustlers, he imports to the island some dark-clad compatriots who soon take on the aspect of revenue men combing the hills for bootleggers. Naturally, the chase ensues, with the islanders striving to preserve their heritage.

Basil Radford plays very well the part of the pompous, stubborn, but duty-conscious Captain Waggett, whose efforts to carry out any of his plans invariably run amuck. Doing a very convincing job of portraying Sergeant Fred Odd was Bruce Seton, and in the role of his fiancée, Peggy McCroon, was Joan Greenwood, as a laughing little Scottish lassie.

—Charles A. Eckert '60

calendar of events

WEDNESDAY, FEBRUARY 27

Organ Recital. Karen Johnstad, member of the faculty, Oslo Conservatory of Music.

KRESGE AUDITORIUM, 12:10-12:40 p.m.

Operations Research. Seminar: "Applications of Queuing Theory"—Part II. Professor Philip M. Morse, Chairman of the MIT Committee on Operations Research.

ROOM 2-333, 3:00 p.m.

Electrical Engineering Department. Colloquium: "Radio Astronomy." Professor J. B. Wiener, Electrical Engineering Department. Refreshments will be served in Room 10-280 at 4:30 p.m.

ROOM 10-250, 3:30 p.m.

Biology Department. Colloquium: "Adventures in the Biochemistry of Insects." Dr. Gerard Wyatt, Assistant Professor of Biochemistry, Yale University. Tea will be served in Room 16-711 at 3:30 p.m.

ROOM 16-310, 4:00 p.m.

Civil and Sanitary Engineering Department. Hydro-mechanics Seminar: "Diffusion Problems in Waste Water Disposal." Jan M. Jordaan, Research Assistant, MIT Hydrodynamics Laboratory.

ROOM 48-208, 4:00 p.m.

Freshman Squash Team. Game with Andover.

SQUASH COURTS, ALUMNI POOL, 4:00 p.m.

Technology Catholic Club. Annual elections of officers. HAYDEN LIBRARY LOUNGE, 5:00 p.m.

Freshman Hockey Team. Game with Tufts.

SKATING RINK, 6:30 p.m.

Freshman Swimming Team. Meet with Gardner High School.

ALUMNI POOL, 7:00 p.m.

Freshman Wrestling Team. Match with Boston University.

ROCKWELL CAGE, 7:30 p.m.

Varsity Hockey Team. Game with Tufts.

SKATING RINK, 8:00 p.m.

THURSDAY, FEBRUARY 28

Nuclear Engineering. Seminar.

ROOM 8-119, 1:00 p.m.

Physics Department. Colloquium: "Strange Particles: The Current Status of the Problem." Dr. Robert A. Schluter, Physics Department.

ROOM 6-120, 4:00 p.m.

Mathematics Department. Harvard-MIT Joint Mathematics Colloquium: "Integration of Functions and Outer Hilbert Space." Professor H. N. Shapiro, Institute for Mathematics and Mechanics, New York University. Tea will be served in Room 2-290 at 4:00 p.m.

ROOM 2-390, 4:30 p.m.

AIEE-IRE—Student Branch. Lecture: "Special Uses of Computers." Dr. C. E. Shannon, MIT Electrical Engineering Department.

ROOM 10-250, 5 p.m.

FRIDAY, MARCH 1

Mechanical Engineering Department. Seminar: "A New Gas-Turbine Type Cycle Using Steam." Professor John H. Horlock, Visiting Assistant Professor, MIT. Coffee will be served in Room 3-174 from 3:00-3:30 p.m.

ROOM 3-270, 3:30 p.m.

Varsity Squash Team. Game with Yale University.

SQUASH COURTS, ALUMNI POOL, 4:00 p.m.

Varsity Rifle Team. Match with Tufts.

RIFLE RANGE, 5:30 p.m.

SATURDAY, MARCH 2

Varsity Fencing Team. New England Intercollegiate Tournament. WALKER MEMORIAL, 10 a.m.-5 p.m.

Freshman Swimming Team. Meet with Moses Brown Academy.

ALUMNI POOL, 2:00 p.m.

Freshman and Varsity Indoor Track Teams. Meet with the University of New Hampshire.

ROCKWELL CAGE, 2:00 p.m.

Lecture Series Committee. French Suspense Film: "Wages of Fear." Admission: 30 cents.

ROOM 10-250, 5:30, 7:30, and 9:45 p.m.

SUNDAY, MARCH 3

Humanities Department. Indian Students Association of Greater Boston. Concert of Indian music, with Ravi Shankar on sitar; Chatur Lal on tabla; N. C. Mullick on tanpura. Tickets at \$1.75 (unreserved) on sale at Music Office, Room 14-N236, TCA, and at the door.

KRESGE AUDITORIUM, 8:00 p.m.

MIT Hillel Society. Lecture: "Maimonides and the Challenge of Science." Dr. Samuel Kurland, scholar on the Medieval Period.

HAYDEN LIBRARY LOUNGE, 8:00 p.m.

MONDAY, MARCH 4

Civil and Sanitary Engineering Department. Seminar: "Reduction of Commercial Alkyl Benzene Sulfonates by Activated Sludge." E. J. Donovan (G); "The Mechanism of Starting High-Rate Type Digestors." E. A. Cassell (G).

ROOM 1-146, 11:00 a.m.

MIT Dames. Lecture: "Family Sojourn in France," by Mrs. W. H. Stockmayer. Refreshments will be served.

HAYDEN LIBRARY LOUNGE, 8:00 p.m.

Society of the Sigma Xi. Address (with slides): "Glaciers and Vegetation in Southeastern Alaska." Dr. Donald B. Lawrence, Professor of Botany, University of Minnesota.

ROOM 6-120, 8:00 p.m.

1957 Tech Show. Four performances of the 1957 Tech Show, "The Honor of a Bum," will be presented in Kresge Auditorium at 8:30 p.m. on Friday and Saturday, March 1, 2, 8, and 9. Reserved seats at \$1.10, \$1.80, and \$2.20 will be on sale in the Lobby of Building 10 through February 28.

CALENDAR OF EVENTS

The Calendar of Events is distributed to the staff through the Institute's mails each Wednesday, with announcements for the following eight days. Material for the Calendar of March 6-13 is due in the editor's office, Room 3-339, not later than noon on Thursday, February 28.

A Representative of
HARRISON

The Heat Transfer Division of
General Motors

Will Interview
College Graduates

MARCH 1, 1957

Contact the Placement Service
For An Interview

TWO CAN LIVE
AS CHEESILY AS ONE

Now in the final months of the school year, one thing is certain: you and your roommate are not speaking.

But it is not too late to patch things up. Examine the rift calmly. Search your soul with patience. Perhaps the fault is yours. Perhaps you are guilty of violating some of the basic rules of roommate etiquette.

For instance, in decorating your room, have you forced your preferences on your roommate without regard to his or her tastes? This is a common cause of friction. Indeed, it once happened to me back in my freshman year when I was sharing a room with a boy named Rimsky Sigafos who covered every inch of our wall with 850 pictures of James Dean.

"Rimsky," I said to him in gentle reproof, "please don't think me unduly, but I had hoped to put a picture of my fiancée Mary Beth Thermidor on the wall."

Rimsky examined the picture of my fiancée Mary Beth Thermidor. "You're kidding, of course," he said and dropped the picture in the wastebasket.

Well, that got my dander up, and I was mad as a wet hen till Rimsky gave me a Philip Morris Cigarette.

As we all know, there is nothing like a mild, natural, Philip Morris. Treats a man right. No filter, no foolin'! Anger melts and frowns become smiles with Philip Morris, all seems right in the world, and no man's hand is turned against you, nor yours against any man.

So, puffing a pacifying Philip Morris, I forgot all about Rimsky's slight to Mary Beth Thermidor. In fact, with her picture out of sight, I soon forgot all about Mary Beth Thermidor, too, and one night at the Freshman Frolic, spying a round young coed over in a corner, I came up to her and said with a fetching leer, "Excuse me, miss. We don't know each other, but I would like to rectify that sad omission." And she said, "Oh, you horrid, horrid youth! I am your fiancée Mary Beth Thermidor." With that she stomped furiously away, and though I tried to win her back with Philip Morris, she was beyond recall. I, utterly shattered, signed on as a cabin boy with the Cunard Line and am today, aged 53, the oldest cabin boy on the North Atlantic run.

But I digress. We were talking about roommate etiquette. Let us turn now to the matter of share and share alike. Have you shared everything equally? Drawer space? Closet space? Study space? And here's one that often causes trouble—hobby space.



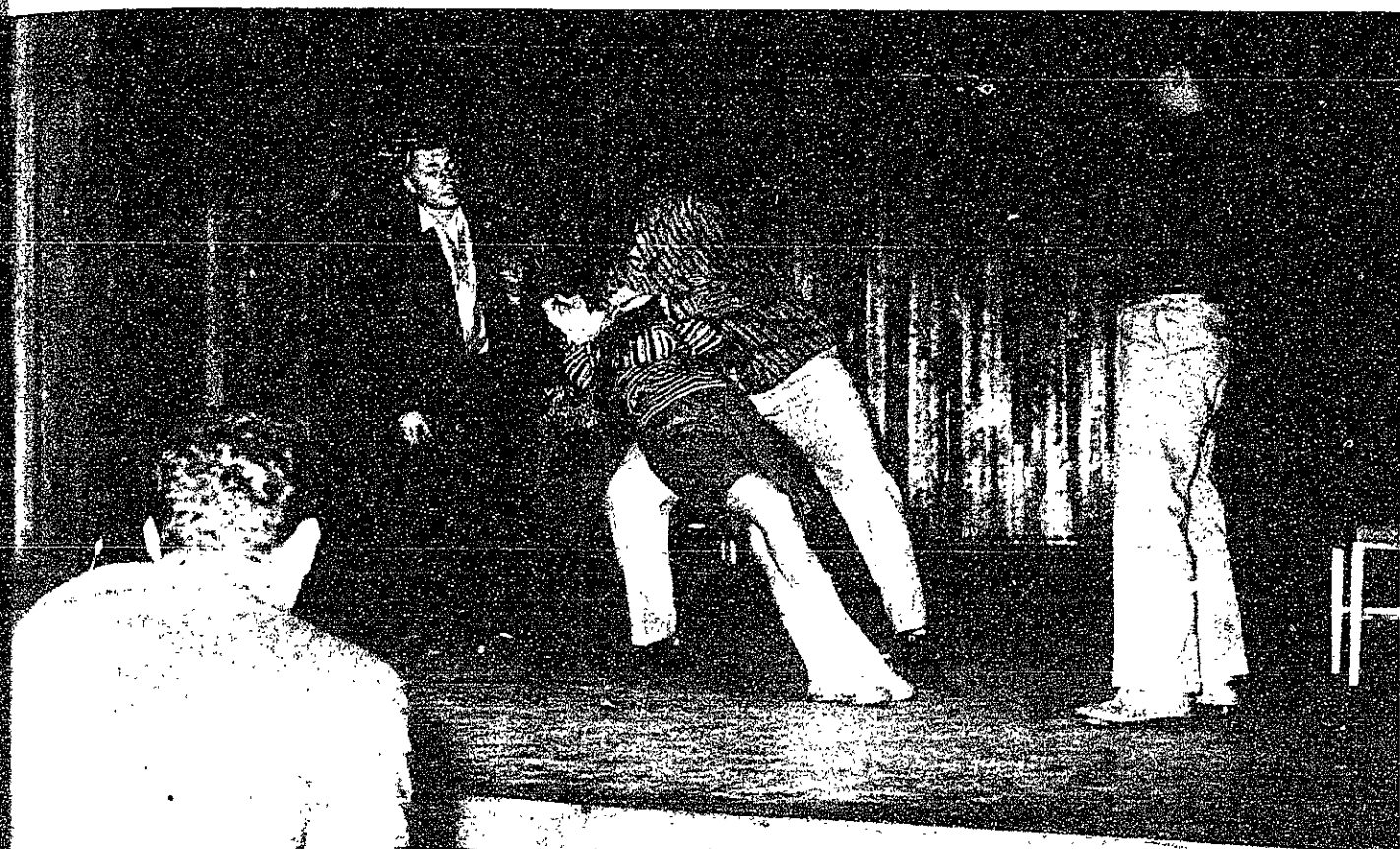
...it took two or three Philip Morrises to restore my native sweetness

When, for example, I roomed with Rimsky Sigafos, my hobby was stamp collecting. I did not take up much room. All I needed was a small corner for my stamps, my album, my magnifying glass, and my tongue. Rimsky, on the other hand, was by hobby a cat burglar. Hardly a night went by when he didn't burgle twenty or thirty cats. You can imagine how crowded our little room used to get! Many's the time I got so exasperated that it took two or three rich, natural Philip Morrises to restore my native sweetness.

© Max Shulman, 1957

We, the makers of Philip Morris and sponsors of this column, know that you and your roommate are getting along just fine. But if you ever do have a little tiff, don't try a peace pipe. Try a good, natural smoke—Philip Morris!

'...romantically like Sam Spade...'



The problem at hand is whether Edie Fisher, Boston University, should play the part of Chiefess of Police, Rafael Torrens '60, at right, dubious. But Gus Solomons '59 acts to dispel his doubts. With the appropriate gestures, he explains that, "She can play the part bravely like Hercule Poirot, romantically . . . and pungently like Mike Hammer." Warren Moon '58, at left, is moved; Jerry Marwell '57, foreground, is directing this Tech Show play-within-a-play titled "The Honor of a Bum" which opens Friday night.

beaver barks

Intramurals--For What Purpose?

A question of vital concern to all members of the student body is: What are the aims and purposes of intramural sports at MIT? It is one whose answer affects our attitude toward Tech athletics in particular and our scholastic attitude in general.

Sports have been rightly called the finest means of social and moral training—and this without even considering the physical advantages given to the loyal enthusiast. The sense of fair play and sportsmanship coupled with the invaluable experience of meeting keen competition in a mutual field of contest, battling, and defeating it, is a personal achievement that participation in sports most effectively develops, and one which no one can afford to deny himself.

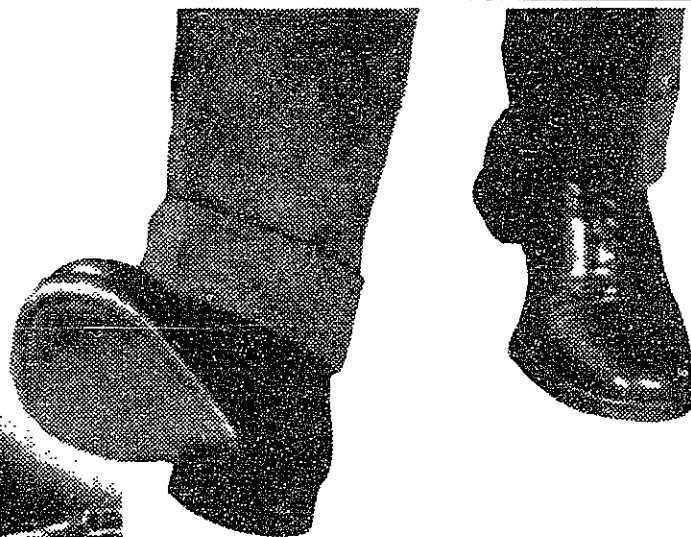
The MIT Intramural Program is dedicated to the maximum dissemination of these benefits to the members of the Institute Community. A year-round program is carried in all the major athletics, and including such lesser publicized activities as squash, badminton, and ping pong. In fact, almost any conceivable physical activity can be started under the auspices of the Intramural Manager as long as enough people express an interest in participating. The coming

Spring season promises competition in sailing, softball, volleyball, track, tennis and golf for the MIT student.

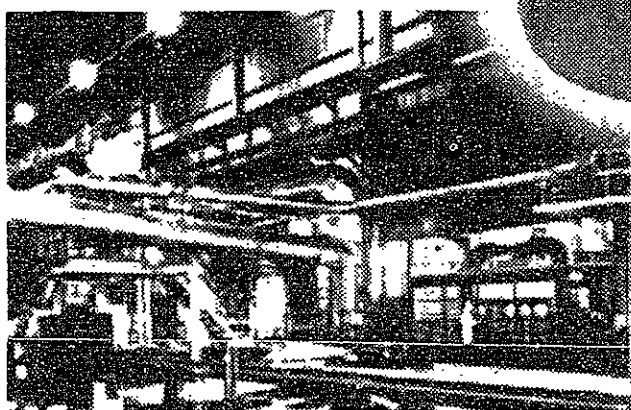
The three logical requirements for team entrance into any one of these sports is: (1) organization of the team members and submission of a team roster, (2) the procurement of someone to obtain whatever equipment may be necessary and (3) the natural consequence, the healthy participation of the squad in the activity. The members of the intramural teams not only find themselves enjoying the diversion from the "grind" and the physical satisfaction of exercising their body, but they also develop new and lasting friends of complimentary interests.

However, may one caution be implanted upon the minds of the combatants on the intramural playing fields. Victory is always the aim to be sure, but more important is that the keenness of the contest develops in the contestants the healthy, normal desire to do one's best, rather than any frenzied feeling that the only alternatives in the battle are victory or utter defeat. Whatever the final score, if the game is played fairly and if each side has given their best efforts to the cause of success, then both sides have won. The laurels of personal victory shall be the reward of each team member, regardless of the final outcome of such a contest.

True Spaniards have an interesting way of looking at their favorite spectacle, the corrida de toros or the bull-fight. While most tourists conceive it as a struggle of man against bull, the natives say that it is really a struggle of man against himself, which, if we stop to consider it, is probably the most significant struggle of all. This interpretation can justifiably be carried over to all athletics in general. The team participant is actually conditioning himself to meet the challenge that the sport provides so that his ability to direct his physical activity will aid the purpose of the team. Therefore the glory of the squad is only the vivid reflection of the personal accomplishments of its members. And intramurals, especially such a fine program as MIT offers, is an excellent way for the Techman to reap the individual benefits that team-play and sportsmanship afford.



Step into the Expanding Field of Instrumentation



Metallurgical Instrumentation



Atomic Reactor Controls



Design, Manufacture, etc., of L&N Products



System Control for Utilities

Automatic control, or automation, or data reduction are all instrumentation, and offer some of the broadest and most satisfying careers available to today's engineers and scientists.

Atomic energy, iron and steel, aircraft and automobiles, chemicals and chinaware, petroleum and electric power are only a few of the many industries which need instruments. This need creates permanent opportunities in many of our operations, including research and development, product engineering, industrial engineering, production, inspection, market development and customer contacts.

The products with which you would be concerned include automatic, high-precision instruments for controlling, recording and indicating temperature, chemical concentration, radiation phenomena, frequency and load and many other conditions. For heat-treaters we make furnaces and process equipment. For the worker in science—whether student or researcher—we make both automatic and manual laboratory-type instruments, with which you may already be familiar.

The Company has about 3000 people—is one of the biggest in its field, yet is compact enough for you to be able to "follow the score." Its reputation for progressiveness in industrial relations, and for quality of product is world wide.

Wayne L. Besselman, our Coordinator of Technical Employment, will be on the campus on March 5, 1957 with information which he will cordially share about our very modern opportunities and rewards for engineers and scientists. Your placement bureau will arrange an appointment with Mr. Besselman, at your request.

LEEDS NORTHROP
Instruments Automatic Controls • Furnaces
4850 Stenton Ave., Philadelphia 44, Pa.

Atlanta	Columbus	Los Angeles	Seattle
Boston	Denver	Milwaukee	St. Louis
Buffalo	Detroit	New York	Tulsa
Chicago	Hartford	Philadelphia	Integra, Leeds & Northrup,
Cincinnati	Indianapolis	Pittsburgh	Birmingham, Eng.
Cleveland	Houston	San Francisco	

Charity Drive Fund Recipients Express Their Appreciation

"The distribution of the receipts of the 1956-57 TCA Charities Drive has brought a flood of 'Thank you' letters," reports Fitz Rawls '57, President of TCA.

The sum collected in cash and pledges amounted to \$1730.26; and after deductions had been made for expenses and unpaid pledges, \$1350 were distributed among five organizations.

Of the sum collected, the maximum amount contributed by a single living group was \$353.40, by Burton House. Lambda Chi Alpha gave the most per member—\$3.55, and Phi Beta Epsilon was second with \$1.92 contributed per member.

United Community Service (Red Feather) received \$400, this being 30% of the total. World University Service and the Jimmy Fund each received 20%, this amounting to \$275. The remaining was divided between the American Cancer Society and United Cerebral Palsy, each receiving 15% of the total—\$200.

Acknowledging receipt of the money, Red Feather said, "We wish there were some way in which . . . those who conducted the campaign and those who contributed . . . could be thanked personally — but the real thanks will come from the families and individuals who will be helped through your gifts."

Commenting on the "thank you's", Fitz Rawls said, "A good deal of credit for the success of the drive goes to the solicitors in each of the living groups . . . MIT students should look forward to next year's drive and try to surpass this year's result."

FORD INSTRUMENT COMPANY TO INTERVIEW ENGINEERS HERE

What engineers are doing at Ford Instrument Company

ELECTRONICS AND RADAR:
Ford Instrument engineers are doing advanced work in electronics for data handling computers. Radar design, transistor work, airborne equipment, and both digital and analog computer development are the backbone of the company's research. The techniques FICo has developed in this work have application in the design of commercial and industrial automatic controls.

CLOSED CYCLE GAS-COOLED REACTOR:
This prototype application of nuclear power is being studied at FICo. Operation of this type of reactor is based on the use of nitrogen or helium under pressure as the working fluid for direct transfer of energy from the reactor to turbine. The feasibility of building by 1958 a power plant using this type of reactor to propel an aircraft is now being worked on at FICo laboratories.

GUIDED MISSILES:
Typical of FICo is its work on the guidance system for the Redstone Missile and with the Army Ballistic Missile Agency on research, development and design of more advanced systems. Ford is also working with the Air Force and Navy on the missile guidance field.

AIRCRAFT INSTRUMENTATION:
Ground position indicators, course and distance computers and other navigation equipment developed at Ford Instrument Company are being installed in the most modern aircraft. Instruments for jet engines, for solar navigation, and aerial telemetry are emerging from the laboratories and into the shops of the FICo plants.

For over forty years, Ford Instrument has been designing the computers and controls that arm our naval guns and torpedoes, direct our rockets and warplanes and more recently, control nuclear reactors. Not widely publicized for security reasons, but highly regarded by the experts in the field, the achievements of the 2500 people at Ford Instrument Company have been advancing control engineering and computer development in many fields. Very soon, FICo will interview applicants on that campus to fill engineering positions for some of the most rewarding and interesting projects in America. Watch for further announcements.

FORD INSTRUMENT CO.
DIVISION OF SPERRY RAND CORPORATION
31-10 Thomson Avenue, Long Island City 1, New York

Engineers at Ford Instrument have exceptional opportunities

- You get a chance to show your abilities**
Ford Instrument Company is large enough to offer a variety of interesting work, and small enough to give its engineers a sense of individuality. Your engineering knowledge and abilities will certainly be put to the best possible use. The people you work with will be stimulating and congenial, and the opportunities for your future will be unlimited. It is a company made up of technically minded people. When we tackle problems, an entire team takes part, and each member watches every step of progress from new idea to practical reality.
- The work involves America's future**
On this page are shown a few projects which Ford Instrument engineers have worked on. There are many others, but they all have one thing in common: The several projects encompass a variety of technological advances which are important steps in the scientific and industrial progress of the country.
- Job benefits are unusually liberal**
Salaries are as good or better than offered by other companies in the field. There are many other job benefits, such as payment by the company of full tuition for advanced study, pension, and insurance. Your future at Ford is stable, because only positions of permanency are offered.
- Advanced study is at your doorstep**
Such excellent schools as Columbia, New York University, Polytechnic Institute of Brooklyn, City College of New York, Cooper Union, Pratt Institute, Stevens Institute of Technology, and Manhattan College are within easy reach. For those interested in advanced degrees this is of value. In addition, most scientific and engineering societies have their headquarters in New York. You can enjoy their regular meetings and the contacts with other engineers.

We often forget the advantages of living in New York or its suburbs. The city, with its opportunities for entertainment, culture, shopping and sports, has everything — it is truly the capital of the world. From the U. N. Building to Radio City, from the glitter of Broadway to the shops on Fifth Avenue, from the Battery to Central Park — New York is an exciting city to see and a stimulating one in which to work.

Arrange to see FICo's Engineering Representatives through your placement bureau
Day **FRIDAY**
Date **MARCH 1, 1957**

ENGINEERS: GET THE ANSWERS TO YOUR QUESTIONS ABOUT WHAT IT'S LIKE TO WORK AT FORD INSTRUMENT COMPANY

Arrange your interview today to learn about the exceptional opportunity to use your special abilities at Ford

Friday March 1

See your placement bureau for appointments on
FORD INSTRUMENT CO.

DIVISION OF SPERRY RAND CORPORATION
31-10 Thomson Avenue, Long Island City 1, New York



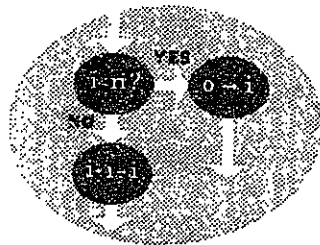
THE TECH
announces a
SMOKER
for those interested
in joining the staff
**STUDENT-FACULTY
LOUNGE**
Room 2-290
Wednesday, Feb. 27
3-6 P.M.

Mathematicians

Physicists

Engineers

The Ramo-Wooldridge Corporation



Invites... candidates for Bachelor's and Advanced Degrees in mathematics, physics, or engineering to discuss with members of our Technical Staff opportunities in programming the UNIVAC Scientific Model 1103-A and other large scale computers. Additional opportunities in Numerical Analysis, Mathematical Analysis, and Theoretical Physics. (Other technical fields of interest to R-W are listed in another advertisement in this paper.)

Interviews to be held Thursday, March 14 and Friday, March 15, 1957 may be arranged through the Student Placement Center.

The Ramo-Wooldridge Corporation

5730 ARBOR VITAE STREET • LOS ANGELES 45, CALIFORNIA

Hecht Voted Dormcom President, Doubts Value Of Room-Searching

Bob Hecht has emerged as President of Dormitory Council, defeating his only rival, Kari Balbach in last Tuesday's elections.

The newly-elected officer has announced vigorous plans for the future. He favors "fewer rules and more activities," the latter to include rivalry between the three dormitories. The individual houses, he says, should "solve their own problems — more power should be given to the house committees."

Hecht confesses that he knows little about the past history and activities of Dormitory Committee, but he opposes the action taken a short time ago to permit opening of rooms by student government; "Room-searching by student government is unnecessary," he declares.

Nomination for the Dormcom presidency was by petition, which required, 15% of the dormitory population to sign.

House committees have been relatively idle lately; controversial issues such as hazing and commons meals have already been thoroughly considered. The Baker house committee, however, made a survey of Baker house opinion on commons and a committee appointed for the purpose

found that there was general satisfaction with the quality of the meals with most people favoring the "family style serving."

The Baker House Committee also suspended a provision of their by-laws that had prevented freshmen from running for Incomm representative; there are now five candidates in the field, one of them a freshman.

All three of the House Committees, Baker, Burton and East Campus, intend to hold elections this week.

Hillel To Reorganize; Plans New Activities

"Under its newly elected executive board, MIT chapter of B'nai Brith Hillel Foundation is now undergoing an extensive reorganization and build-up period," according to Ivan M. Schmidt, Secretary, MIT Hillel.

The first activity of the new term was started by a traditional bagel-and-lox brunch, held on the 10th of the month, in conjunction with the sister chapter at Simmons. Dean Rule was the guest. The following Wednesday, new officers were elected: Bill Rothstein '59, was elected president, Howard Gendel '60, vice-president, and the secretary and treasurer are Ivan Schmidt '59 and Dick Rosenthal '58, respectively.

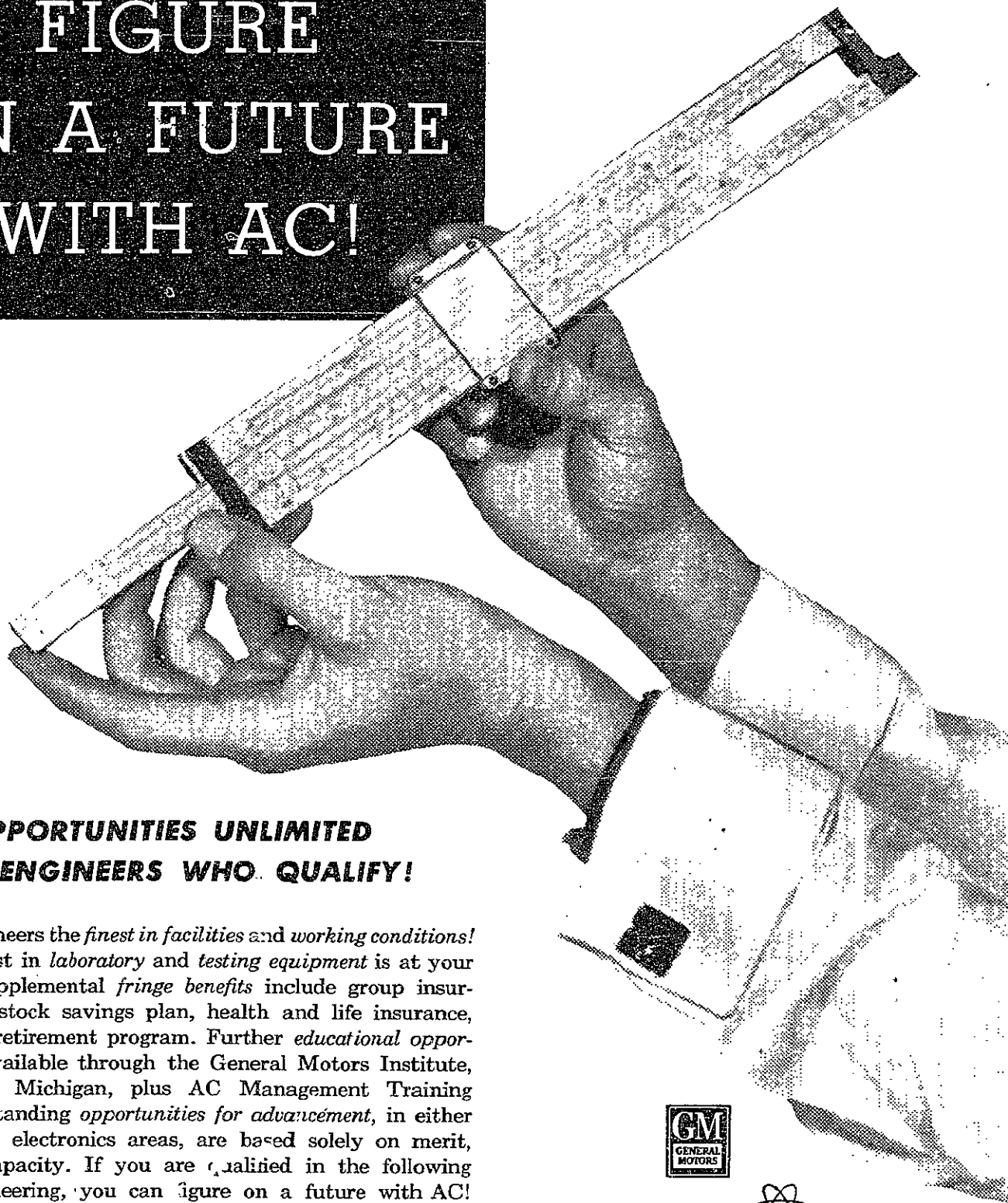
On Sunday, at 3 p.m., "A Cycle of Jewish Music" was presented on Kresge Auditorium, by Manuel Zymelman, G. The songs were in Hebrew and Yiddish

NOTICE

The Secretariat will hold interviews with prospective freshman members from 4 to 6 p.m. this week, February 27-29. Those people interested should contact Litchfield Lounge, Walker Memorial Extension 2696 for an appointment.

Now is the time to

**FIGURE
ON A FUTURE
WITH AC!**



OPPORTUNITIES UNLIMITED FOR ENGINEERS WHO QUALIFY!

AC offers engineers the finest in facilities and working conditions! The very latest in laboratory and testing equipment is at your command. Supplemental fringe benefits include group insurance, unique stock savings plan, health and life insurance, and a liberal retirement program. Further educational opportunities are available through the General Motors Institute, University of Michigan, plus AC Management Training Courses. Outstanding opportunities for advancement, in either automotive or electronics areas, are based solely on merit, ability and capacity. If you are qualified in the following fields of engineering, you can figure on a future with AC!

CLASSIFICATIONS

Mechanical Engineers • Electrical Engineers • Ceramic Engineers • Metallurgical Engineers • Mathematicians
Physicists • Industrial Engineers

FOR A PERSONAL INTERVIEW, CONTACT
Mr. JOHN GOETZ _____ Date MARCH 1
MIT Placement Office

AC SPARK PLUG
THE ELECTRONICS DIVISION OF
GENERAL MOTORS



New Constitution Of Activity Council To Incomm Soon

More than five hours of Activities Council discussion Friday night produced a revised version of the Council's proposed new by-laws which will be presented for Institute Committee approval at its next meeting.

A key point in the discussion concerned Activities' representation on Institute Committee. The proposed By-laws, provide for three Council seats rather than the one which the Council now has. The group favoring this plan felt that the leaders of Class A Activities, the group from which the three would be chosen, are men who have already proven their leadership and policy-making ability. Furthermore, it was argued, where the student is represented through his living group and through his class, his extra-curricular activities would be a third and excellent method of representation.

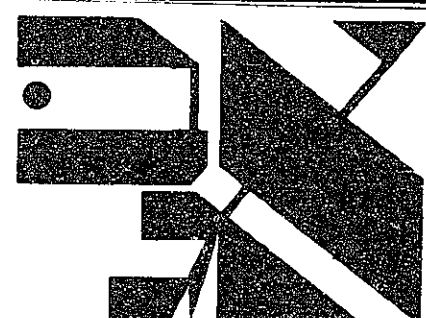
The opposition emphasized that leaders in activities are many times holders of office in either the class or living group level; therefore each representative of Activities Council, if there were too many, would be filling more than one seat. The Council's viewpoint, they argued, could as well be presented by one man as by three. Another plank of the By-laws specifically states that each Class A Activity must be represented on the Council by its "highest ranking officer." Several Council members have complained that the practice of sending lower-ranking Activity members has hampered the effectiveness of the Council.

LEARN TO DANCE
Beginners
Advanced
• Brushup
15 HOUR DANCE COURSE
• private • class • practice
\$7.50
(NO CONTRACTS)
2 can learn for the price of 1
FOR INFORMATION
CALL UN 4-6868
580 Mass. Ave. Cambridge, Mass.
Central Sq. opp. Central Sq. Theatre

Everybody
votes
it
TOPS!



Kirk Douglas
"Actor of the Year"
as Van Gogh
3rd LUSTY MONTH!
KENMORE
near Kenmore Sq.
KE 6-0777



LEARN COLLEGE HEBREW AT CAMP THIS SUMMER

Annual accelerated course in modern Hebrew for college students and graduating high school seniors, at beautiful 75 acre coed camp in New York's Hudson Valley; complete sports facilities.

7 week session, July-August, \$185; including room, board, tuition (some scholarship help available) write:

ULPAN, Student Zionist Organization
342 Madison Avenue, New York 17

MIT Fencers Win Against BU And HC As Epees, Foils Star

The MIT fencing team won both of its matches by sizeable margins last week. Tech first downed Boston University 20 to 7, Tuesday, and then took Holy Cross 17 to 10 on Friday. In the first of these matches, the B.U. team never was in contention as the MIT team swept the first round of fencing 7-2. The epee team's performance was particularly remarkable. After suffering heavy defeats in the last three meets, the epee team scored an 8 to 1 victory over B.U. to take the team honors of the day. Fencers in this weapon were Roy Norris, Bob Barbolini, Ron Wempen, and Joe Pedlosky.

The foil team, tallying a 6-3 count, was composed of Jim Wieting, Barry Shabel, Mike Fein, and Ted Quist. The sabre team also won 6 of their 9 using the combination of Hal Miller, Ben Edwards, Larry Campbell, and Mike Meeker.

Saturday, Holy Cross put up a more determined battle than B.U. but never really gave Tech too much to worry about. The individual weapon scores were foil 7-2, sabre 6-3, and epee 4-5. This year is Holy Cross's first in intercollegiate fencing, and with such a good start, they could very well become a strong team in this area.

With these two additional wins the Tech fencing team now has six wins to two losses. Their next meet is the New England Invitational Tournament which will be held in Walker Memorial on March 2. This meet will include teams from Trinity College, B.U., Bradford-Durfee, University of Connecticut, Holy Cross, and Brandeis. This match should provide fencing fans at MIT the chance to watch some good competition.

Matmen Pin Albany Teachers' Grapplers

The MIT Wrestling Team faced, fought, and defeated an outstanding Albany State Teachers Team 19-8 last Saturday on the opponent's mat. Ray Ortler '58 was particularly successful as he pinned the previously undefeated Harvey in the second period. John Linderman '59 also performed well as he downed his man in the first minute. The remaining Tech points came from decisions by Tony Vertin '57, Pete Magyar '57 and Captain Harris Hyman '58.

FOR SALE! FOR SALE!
OMEGA A-2 PHOTO ENLARGER
IN EXCELLENT CONDITION
Contact GEORGE GLEN
East Campus Goodale.107

HONEY BEE CAFE

700 Mass. Ave., Cambridge

COMPLETE DINNERS 65c and up

Don't miss the DELICIOUS CHICKEN DINNERS for 99c

Also: COMPLETE BEEF DINNERS

CHEMISTS CHEMICAL ENGINEERS MECHANICAL ENGINEERS ELECTRICAL ENGINEERS INDUSTRIAL ENGINEERS

Are YOU Interested In . . .

1. Opportunities in Research, Development, Engineering and Manufacturing that will challenge your ability.
2. A company large enough to provide the tools and opportunities for your growth and development; yet small enough to prevent the loss of your individuality.
3. Advancement in keeping with your capabilities and progress.
4. A formal training program that covers all phases of our 5 plants, as well as our Central Engineering and Central Research and Development Departments.
5. An outstanding Employee Benefit program.
6. A Tuition-Assistance Policy that helps in furthering your technical education.
7. A location in the technological, educational, cultural and entertainment heart of the country; with all the benefits of suburban living.

Then we suggest you consider . . .

CONGOLEUM-NAIRN INC.
195 BELGROVE DRIVE KEARNY, N. J.

The oldest manufacturer of smooth surface floor and wall coverings in the United States

**Campus Interviews On
MARCH 4**

Why not arrange now for an appointment through your Placement Officer.

Experienced typist would like to have theses work at home. Call after 6 P.M. MA 4-0971.

PART TIME WORK

Minimum of 20 hours per week at ap convenience. Scanning film. No ex required. Wages as for similar work. For further information, contact Iris : X870, MIT (Room 6-107). MIT Payre

The Ramo-Wooldridge Corporation

Invites...

Advanced Degree Candidates in

Aeronautical Engineering
Electrical Engineering
Mathematics
Mechanical Engineering
Physics

to discuss with members of our Technical Staff professional research and development opportunities in the following general fields:

Communications
Guided Missile Research and Development
Automation and Data Processing
Digital Computers and Control Systems
Electronic Instrumentation and Test Equipment
Basic Electronic and Aeronautical Research

Interviews to be held Thursday, March 14 and Friday, March 15, 1957 may be arranged through the Student Placement Center.

The Ramo-Wooldridge Corporation

5730 ARBUR VITAE STREET • LOS ANGELES 45, CALIFORNIA

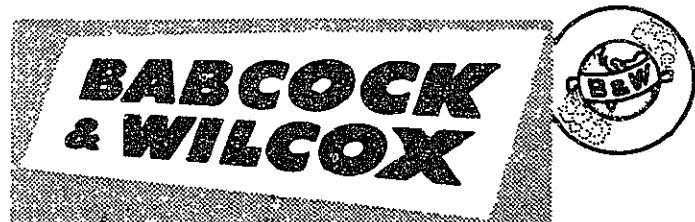
THERE'S A CHANCE TO GROW WITH B&W

SEE YOUR PLACEMENT OFFICER
FOR THE INTERVIEW THAT OPENS
YOUR WAY TO A BRIGHT CAREER
WITH

BABCOCK & WILCOX
ON FEBRUARY 27, 1957

DEGREES	BOILER DIVISION	TUBULAR PRODUCTS DIVISION	REFRACTORIES DIVISION	ATOMIC ENERGY DIVISION	RESEARCH AND DEVELOPMENT
Mechanical Engineering	x	x	x	x	x
Ceramics Engineering			x		x
Chemical Engineering	x		x	x	x
Civil Engineering	x			x	
Electrical Engineering	x			x	
Engineering Physicists				x	x
Physicists				x	x
Fuel Technologists	x				x
Industrial Engineering	x	x		x	
Metallurgical Engineering	x	x		x	x
Metallurgists	x	x		x	x
Business Administration and Engineering	x			x	
Chemists				x	x
Nuclear Engineering				x	x
Mathematics	x			x	x

Background in any of the fields listed in the left-hand column is all you need to begin your career with B&W. Check the activities you want to talk about with the B&W representative when he's on your campus. He'll be glad to see you... and you'll be glad you talked to him.



161 East 42nd St., New York 17, N. Y.



A SIKORSKY AIRCRAFT REPRESENTATIVE
IS COMING IN PERSON TO TELL YOU HOW
TO HITCH YOUR ENGINEERING FUTURE
TO A HELICOPTER-

Please make an appointment through your
College Placement Office for an
Interview!

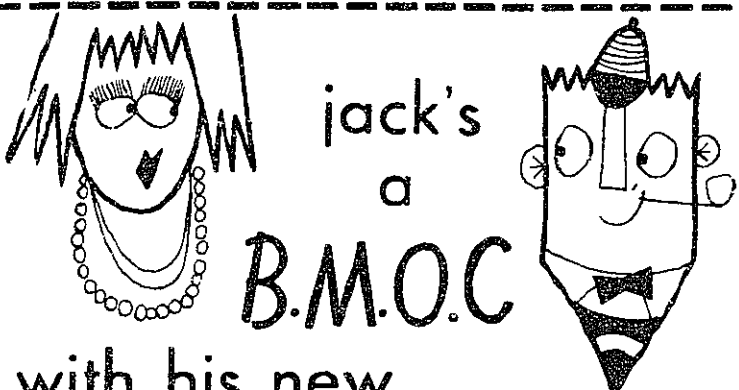
MON. & TUES.
MARCH 4 & 5

CAMPUS TO CAREER

An executive of the Warner & Swasey Co., leading manufacturers of machine tools, textile machinery, earthmoving equipment, and other precision machinery, will visit Massachusetts Institute of Technology on February 28th to interview high caliber men with technical backgrounds or mechanical interests who are looking for a career in research, development, engineering, sales, manufacturing, or finance. This medium sized company offers either immediate productive employment or programs planned to prepare you rapidly for positions of responsibility in line with your background, training, and objectives. See your placement director to arrange an interview, or write direct to: C. W. Ufford, Director of Industrial Relations,

THE WARNER & SWASEY CO.

Cleveland 3, Ohio

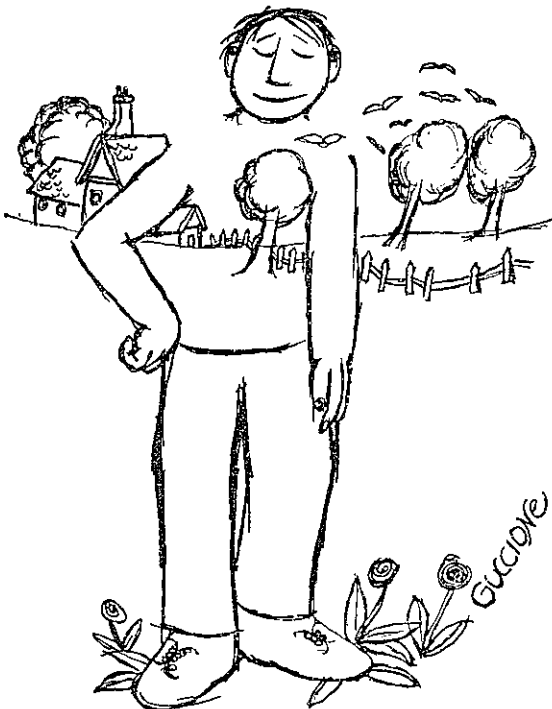


jack's
a
B.M.O.C.
with his new
SONIC *Capri*

Ever since Jack bought his new Sonic CAPRI phonograph at the local college store - he's become the biggest B.M.O.C. ever. You can join him and be the biggest ever, too, for you can buy a Capri phonograph for as little as \$19.95. This month's special buy is the Capri 550. It's a portable 1-speed hi-fi phonograph with WEBCOR automatic changer. Features are twin speakers, a quality amplifier and a smartly styled cabinet in attractive Two-Tone Forest Green. Specially priced at your local dealer.



SONIC INDUSTRIES, INC. 19 Wilbur Street, Lynbrook, N. Y.



FREE! INVISIBLE SHIRTS!

It is a little known fact that Van Heusen, in addition to its regular merchandise, also makes a grand line of invisible shirts. Alas, they have never proved very popular. People lose them easily. Laundries are confused by them. And people wearing these invisible shirts are not just walked over, they're sometimes walked through. So, we're stuck with thousands of them, and we've just decided to give them away. To you! Just write Van Heusen. We will send you free a complete wardrobe of invisible shirts. Not just one or two! Not us. We'll send you hun-

dreds of them. In every style! Every size! Every collar fashion! All handsome. All invisible. Probably the finest you've never seen. As for visible shirts — and shorts, sport shirts, sweaters, pajamas, handkerchiefs and ties — well, you know Van Heusen. We have most of the new styles before anybody else. And we handle traditional favorites in a way that explains why certain styles last a long, long time. Your local haberdasher carries a large Van Heusen selection. See him soon. Phillips-Jones Corp., 417 Fifth Ave., New York 16, N. Y.

bush leaguer

E.Campus Swamps Sigma Chi, 53-36; Betas Score For 5th Straight Victory



Rebound attempt by Pat MacGovern '59 in Beta Fiji game. The Beta's won by a 44-40 margin.

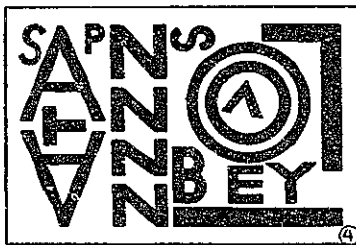
Playing the brand of basketball that gave them the intramural crown two years ago, East Campus continued to smash through all opposition to place themselves in the final round of this year's basketball playoffs. Swamping Sigma Chi 53-36 last Tuesday night, the overwhelming East Campus forces rolled to an easy victory despite the fact that two of their starting five were missing from the lineup. Freshman Norman Vadner sparked EC with 16 points, while teammate Davy Crockett chipped in 13. Sigma Chi found itself led by a member of the class of '60 also, as Bob White sunk 10 to head the losers. Meanwhile, Beta Theta Pi was living up to the prediction made in this column several weeks ago, namely that the Betas were one of the most powerful quintets and would be a strong contender for the playoff crown. After dropping their first contest to Grad House A, the Betas successfully maneuvered through five straight contests to enter the semi-final round. Their foe: Grad House A. Knocking off Theta Chi (57-35), Phi Gamma Delta (44-40), and Sigma Chi (53-32) last week, the Betas advanced from the second round in the losers playoffs to the semi-finals. Bob Kersey, Warren Goodnow, and Jimmy Russell proved to be the instrumental figures in this drive of victories. Grad House A has been far from idle also in the past week, as they met and defeated Baker A, 66-40 and Delta Upsilon, 46-26. In eliminating Baker A from competition, Ed Grubbs paced the Grads with 20 points, as Williard Dickerson topped Baker A with 12.

HERE ARE THIS WEEK'S TIE-BREAKERS IN

OLD GOLD'S TANGLE SCHOOLS

PUZZLES

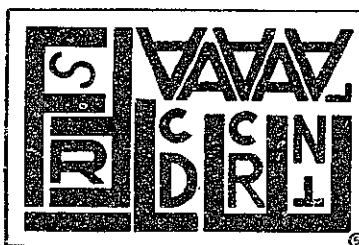
TIE-BREAKING PUZZLE NO. 4



CLUE: Benjamin Franklin participated in the founding of this school. Later, the first university medical school in the country was established here.
CLUE: This New England university was chartered in 1869. A theological seminary, founded in 1839, was its forerunner, and was absorbed as the university's first department.

ANSWER 1 _____
ANSWER 2 _____
Name _____
Address _____
City _____ State _____
College _____

TIE-BREAKING PUZZLE NO. 5



CLUE: This Catholic university for men, conducted by Jesuit Fathers, is located in a town founded as a mission in 1777. The university was opened in 1851.
CLUE: This women's college, founded in 1879, is affiliated with a famous university for men. It is named to honor an early benefactor of the men's university.

ANSWER 1 _____
ANSWER 2 _____
Name _____
Address _____
City _____ State _____
College _____

HOLD UNTIL YOU HAVE COMPLETED ALL EIGHT TIE-BREAKERS

All participants who completed the initial set of twenty-four puzzles correctly are required to solve a series of eight tie-breakers, in order to compete for the prizes in the tie. Tie-breakers four and five are published herein and the remaining three puzzles will appear in successive issues. Remember—first prize is a TOUR FOR TWO AROUND THE WORLD—or \$5,000 cash... and there are 85 other valuable prizes now tied for.

TRY TODAY'S OLD GOLDS

No other cigarette can match the taste of today's Old Golds.

Regulars—Kings—or Filters... they taste terrific... thanks to Old Gold's nature-ripened tobaccos... so rich, so light, so golden bright. Buy A Carton Today!



Tech Swimmers Find Brown Fast

The MIT swimming team, hampered by a murky pool, turned in one of their poorest performances last Wednesday as they took the short end of a 61-24 score against Brown in a meet that had figured to be very close.

Lynn Jacobson '59 turned in his best time of the season, however, in taking third place in the 200 yard breaststroke. Bob Jantzen '57 also did his best time of the season, 55.5, for his leg of the winning freestyle relay. Bill Veeck '58, Roger Kane '59, and Harry Duane '59, were the other members of the relay, which won in the slow time of 3:49.5.

Murray Kohlman '58 picked up eight points with a win in the 440 and a second in the 220. This was his first defeat in the 220 since he was beaten by one of the top men in the East at Harvard before Christmas vacation. Bill Veeck '58 took a second in the 100 yard freestyle followed by Duane 8.59 in third place. Neil Divine '59 suffered his first loss since the first meet of the season, as Clayton of Brown set a new Brown Pool Record of 2:16.3.

Coach Gordon Smith said that the results could be partly attributed to the slow Brown Pool, but added that the team just plain had a bad day. He expects that they will bounce back against Springfield this Wednesday. This was Tech's fourth loss against five wins and one tie.

Tech's Freshman Swimming team turned in a creditable performance in losing to a strong Brown Freshman team, 44-32 last Thursday night at Alumni Pool. Outstanding for the Frosh was Tony Simson as he took MIT's only first place in the Dive with a good score of 55.28. He has been consistently winning for the Freshmen.

There are three promising free-stylers on the Freshman team. John Windle, who has been turning in very good times, took second place in both the 50 and 100 yard freestyle races. Bob Kimper took second in the 200 yard freestyle.

MIT Rugby, Baseball Tennis And Lacrosse Teams Plan Trips

Four MIT athletic teams take to the road this Spring as the annual practice trips begin during Mid-term vacation. The baseball, tennis and lacrosse squads will venture South while the Rugby outfit will seek adventure in the West.

The Rugby Club flies across country on March 21 to face the University of California on March 23; the Olympic Club on March 27 in San Francisco; and Stanford University on March 30. By returning on Monday, April 1 the team hopes to experience considerable saving in the total cost of the tour.

The Tech baseball team, under new coach Scotty Whitelaw, will go to Maryland and Virginia. They are scheduled to play at Maryland University on Tuesday, March 26; Randolph-Macon, at Ashland, Virginia, Wednesday, March 27; and Howard University, at Washington, D.C., Friday, March 29. The squad will travel by automobile, and will be berthed by their host schools. Extensive practice sessions are planned for Monday and Thursday of that week when no games are scheduled.

MIT's tennis team will be taking its first official Southern trip when coach Ed Crocker leads his courtmen to Maryland, March 25th. They play the Terrapins at College Park, Md., the following day. Then the Tech racquetters meet North Carolina State on Wednesday, March 27th; Hampden-Sydney on March 28th; and Howard University on March 29th.

Coach Ben Martin's lacrosse team will go no further south than Long Island, but they expect strong competition there from the Dixie-side New Yorkers. They will stay at Hofstra College while playing Adelphi on March 26th and Hofstra on March 28th. An informal scrimmage with Swarthmore is scheduled for March 29th.

G. L. FROST CO., INC.
AUTOMOBILE BODY REPAIRING & REFINISHING
E. W. PERKINS
Tel. ELiot 4-9100
31 LANSDOWNE STREET
CAMBRIDGE, MASS.

INERTIAL NAVIGATION—a missile guidance system requiring no terrestrial source of energy, no earthbound direction—involves advanced, creative thinking of the highest order for:

- Electrical Engineers
- Mechanical Engineers
- Physicists

Let ARMA talk with you about YOUR future in this dynamic and challenging field.

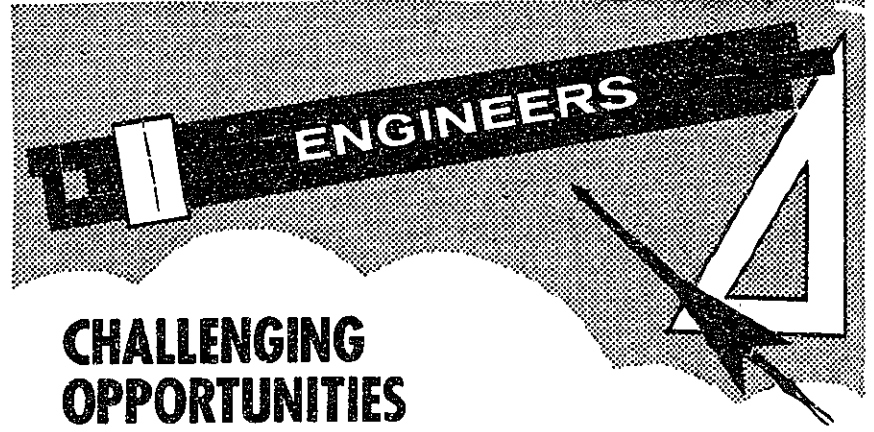
Learn about ARMA's pioneering role in Inertial Navigation when our representative visits your campus shortly. Ask your Placement Officer for details.

MARCH 12

Or you may send inquiries to:
Mr. Charles S. Fernow
Administrator of Technical Education

ARMA

Division American Bosch Arma Corp.
Roosevelt Field, Garden City, L. I., N. Y.



CHALLENGING OPPORTUNITIES

- IN • Avionics • Inertial Systems
- Computers • Missile Guidance
- Jet Engine Fuel Controls

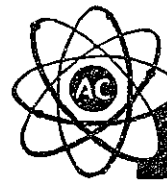
WITH **AG** THE ELECTRONICS DIVISION OF

General Motors

Please contact your Placement Director today to arrange for interviews with General Motors recruiting representative

who will be on the campus

March 1



AC SPARK PLUG

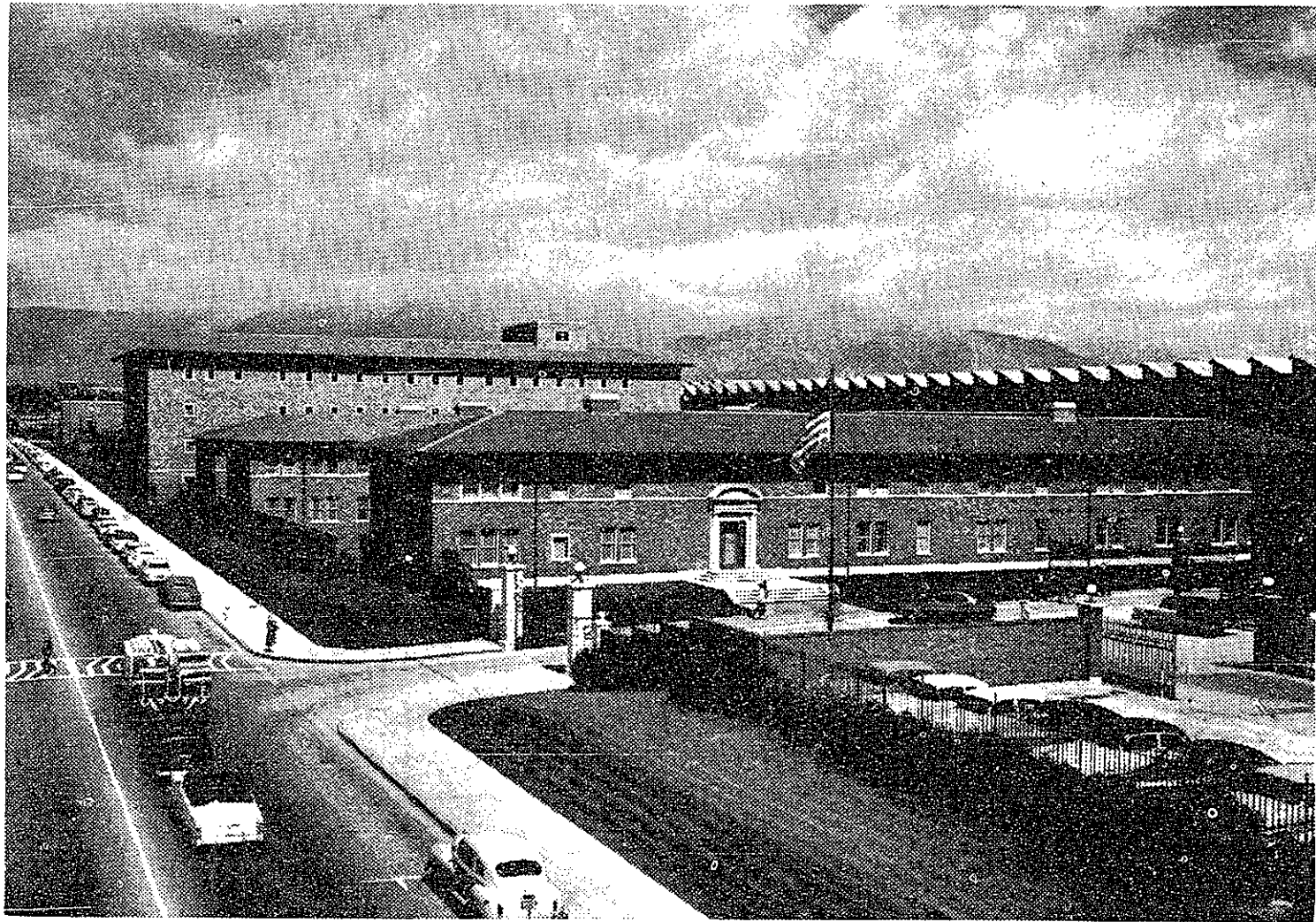
THE ELECTRONICS DIVISION

GENERAL MOTORS CORPORATION

MILWAUKEE 2, WIS.

FONT 2, MICH.

Your Engineering Opportunity



The Braun Engineering Center at Alhambra is headquarters for the company's broad operations—consulting, research, engineering, manufacturing and construction.

Here a staff of 1300 engineers and other technical men constitute the core of the organization. They serve the industrial process industries the world over—chemical, petroleum, ore-processing and power generation. Here, in an ideal environment for engineering, is opportunity for the June graduate.

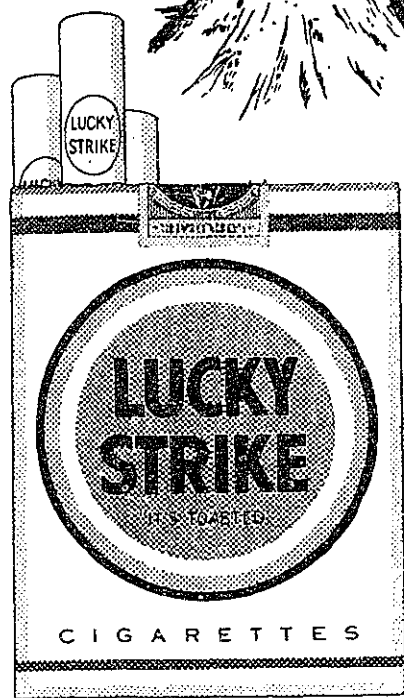
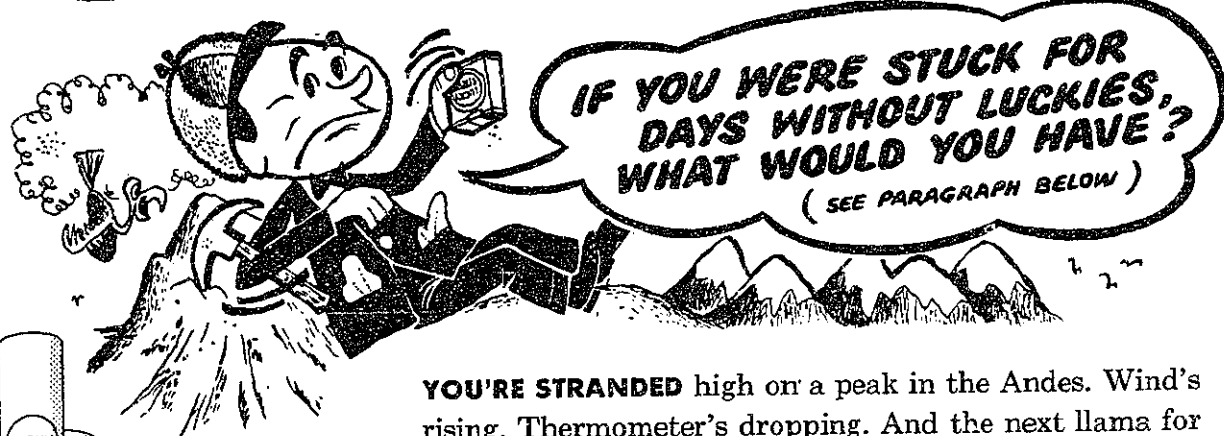
We will be on campus soon to interview chemical engineers. See the Placement Office for an appointment.

C F BRAUN & CO
ALHAMBRA CALIFORNIA
NEW YORK HOUSTON SAN FRANCISCO LONDON

BRAUN INTERNATIONAL CORPORATION

C F BRAUN & CO OF CANADA LTD

Sticklers!



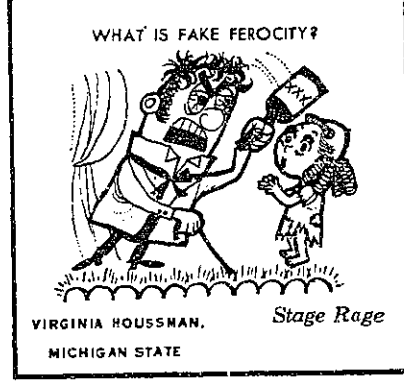
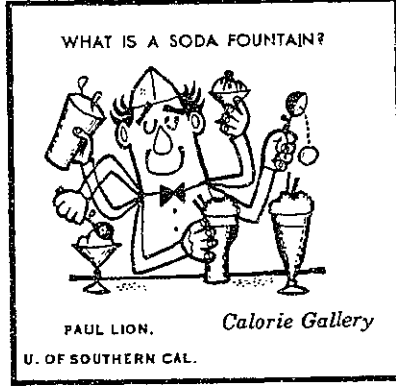
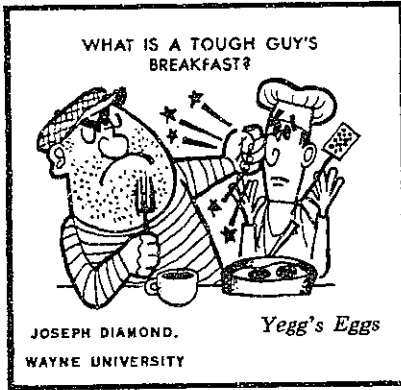
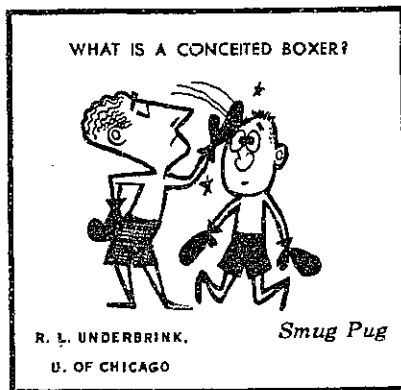
YOU'RE STRANDED high on a peak in the Andes. Wind's rising. Thermometer's dropping. And the next llama for Lima leaves in 7 days. You reach for a Lucky... try every pocket... but you're fresh out. Brother, you're in for a *Bleak Week!* No cigarette anywhere can match the taste of a Lucky. A Lucky is all cigarette... nothing but fine, mild, good-tasting tobacco that's **TOASTED** to taste even better. Try one right now. You'll say it's the best-tasting cigarette you ever smoked!

DON'T JUST STAND THERE... STICKLE! MAKE \$25

Sticklers are simple riddles with two-word rhyming answers. Both words must have the same number of syllables. (No drawings, please!) We'll shell out \$25 for all we use—and for hundreds that never see print. So send stacks of 'em with your name, address, college and class to Happy-Joe-Lucky, Box 67A, Mount Vernon, N. Y.

Luckies Taste Better

"IT'S TOASTED" TO TASTE BETTER... CLEANER, FRESHER, SMOOTHER!



© A. T. Co. PRODUCT OF *The American Tobacco Company* AMERICA'S LEADING MANUFACTURER OF CIGARETTES

GRADUATING ENGINEERS...

If you, too, are a "Tomorrow Thinker"



...Join a creative team which has for over 25 years contributed significant firsts to aviation. Latest from our "Tomorrow Thinkers":

AIRCRAFT — F-105 Thunderchief
MISSILES — Terrapin

MAKE A DATE...
to discuss your "tomorrow"
with our representatives
on this campus:

FEBRUARY 28

For further information on
Aircraft and Missiles opportunities
see your Placement Officer

REPUBLIC AVIATION

Farmingdale, Long Island, N. Y.

Hoopsters Win Two; Northeastern Edged, Stevens Slaughtered

Playing three games last week, the Beaver five edged Northeastern, 69-68, at home last Wednesday; lost in overtime to Pratt, 84-79, Friday evening in Brooklyn, and clobbered Stevens 56-40, in Hoboken Saturday night.

Battling uphill all the way, the MIT hoopsters eked out a one point victory over Northeastern. Murray Muraskin '57 and Bob Polutchko '59 starred for the Beavers as they tallied 21 and 16 points respectively. Polutchko took the game's rebounding honors as he grabbed 16 off the boards.

The visitors appeared to be headed for a runaway at the outset of the contest as they scored 8 straight points. They maintained control of the game for the first 15 minutes until the Engineers were behind 31-15. The Beavers picked up some ground in the waning minutes of the first half and trailed 39-28 at the intermission.

The complexion of the game changed completely in the second half. With Polutchko and Muraskin pacing the attack the Techmen finally overtook the visitors midway through the final session. Northeastern wasn't through at that point though, as they recovered to battle for the lead. With a minute and a half to go the Engineers were down 68-64. Then Muraskin sank a long one-hander and Marty Goldstein '57 tied the score with a driving layup. With 16 seconds to go Paul Larsen '58 dropped in a free throw to decide the game.

One of the controversial refereeing jobs in years drew boos from the spectators and comments from both benches. In all 52 personal fouls were called with four of the losers and two Engineers fouling out.

The Beavers were off on their shooting from the floor as they hit only 19 of 77 for a 24% average. They sorely missed Lee Cooper '59 who is out for the season with a sprained ankle.

In one of the season's closest encounters the MIT five dropped an 84-79 overtime decision to Pratt Institute. The home squad led during most of the first half by a few points but the Beavers hung in there tenaciously. At the intermission, Pratt held onto a 37-32 lead.

In the second half the local team held their small margin until the closing minutes. With only seconds remaining Marty Goldstein sank a pair of free throws to knot the score at 71-all. In the overtime, the Prattmen capitalized on a few breaks to cop the victory. Polutchko had 21 and Muraskin 20 to pace the Techmen.

Leading from the opening moments, the Beaver cagers trounced Stevens Institute by a score of 56-40. During the initial half the Beavers built up a 31-20 margin as they had no trouble throttling their outclassed opponents.

Bob Polutchko '59 and Mac Jordan '58 with 16 points apiece, led the scoring for the victors. Murray Muraskin also hit double figures for the Beavers as he amassed 10 points.

Squashmen Lose To Harvard Squaremen

MIT played traditional rival Harvard in squash last Wednesday and came out on the short end of a shut-out, 9-0. In one of the most exciting collegiate matches of the year, MIT's Tom Thomas '57 battled five games with intercollegiate champ Ben Heckscher before bowing. Thomas played brilliantly to take two of the first three games, but then he lost just a bit of his touch and Heckscher took control. The rest of the Harvard team, one of the country's best, was just too strong for Tech.

Saturday, the Tech team played host to the Amherst varsity and freshmen. Again, Thomas was involved in the top match. He split the first four games, but was the unfortunate victim of a hot streak by his opponent in the fifth. Henry Lyden '57, Tech's number three man, won his match, but the remainder of the team went down, Amherst winning by a score of 8-1.

Mrs. FDR Will Speak March 5 On America, World Leadership

Mrs. Franklin Delano Roosevelt will address the MIT Community Tuesday, March 5. The topic of Mrs. Roosevelt's lecture will be "Is America Facing World Leadership?"

Since the death of her husband, Mrs. Roosevelt has maintained many

BUSH LEAGUER

(Continued from page 7)

In the only other game played last week, Sigma Chi edged Delta Upsilon 51-48, with Bob White once again leading the victors as he scored 19. Larry Flanigan added 17 points in assuring the win, while Ken Auer lead DU in the scoring department with 13 to his credit.

Having completed play in four of the six intramural hockey leagues at the present time, four teams, and possibly a fifth have finished with unblemished records.

Grad House, League I champs, and Beta Theta Pi, League V leader, wound up with 4-0 records, while Theta Chi and Phi Beta Epsilon, Leagues II and IV winners respectively, compiled 3-0 marks.

Attention is now centered on the outcome of League VI where Phi Gamma Delta and Sigma Alpha Epsilon are tied for first with 3-1 and Alpha Epsilon Pi trails with 2-1. An AEPI win would create a three way tie, as both the first two clubs have completed play.

In the only remaining league, Sigma Chi leads Sigma Nu by one-half game, 3-0 to 2-0. However these two teams clash, so an individual leader will be found before league competition ends.

of her interests. In 1945 she was appointed by President Truman to the United States delegation to the UN General Assembly, and in 1948 she was unanimously elected chairman of the Commission on Human Rights of UNESCO. She is the author of the column "My Day" and of several books including "It's Up to the Women" and "The Moral Basis of Democracy."

Mrs. Roosevelt's lecture will be presented in Kresge Auditorium at 7:30



p.m. Tickets for the lecture will be distributed to members of the Institute Community on Wednesday, February 27 from 11:30 to 5:30 in Building Ten. Other persons desiring tickets may obtain them on Thursday, February 28, in the lobby of Building Ten. From 11:30 to 5:30 tickets will be free, and they will be distributed on a first-come, first-serve basis.

Receive Complaints On Voo Doo Article

A discussion of Voo Doo's last issue highlighted last Wednesday's Inscomm meeting. It was announced that two anonymous phone calls were received pertaining to a certain article about a "classified" ROTC arms manual. According to Inscomm, no action can be taken until the callers identify themselves and submit written complaints.

Alan May, Student Union Committee Chairman, announced the appointment of two delegates to the NSA Conference to be held this summer. Action is now being taken to obtain funds to send the delegates to the conference.

Ed Roberts, Activities Council Chairman, announced plans to place three members of the Council on Inscomm. This is only one of the many proposed changes stemming from tentative constitutional changes.

Inscomm accepted the recent Undergraduate Association president and vice-president election results. Inscomm is presently preparing itself for the first meeting under its new leadership on March 6.

During the meeting, a written report on the Academic Freedom Conference was distributed. No formal discussion took place pertaining to this report.

Jay Hammerness, Finance Committee Chairman, presented two new Finance Committee members, Jeff Ingram and Mike Paul.

The IFC Rushing Committee report was received and reviewed by Inscomm. After some discussion it was decided to take action at a future date.



There are two important reasons why the Martin Star is rising...and why your career can rise along with it:

...The finest aircraft plant, engineering, electronic, nuclear physics and research facilities on the eastern seaboard.

...An entirely new management concept in Advanced Design and weapons systems development, embracing creative engineering ranging upward from nuclear powered aircraft to anti-gravity research and tomorrow's satellite vehicle.

There are exceptional opportunities for dynamic young engineering talent at the Glenn L. Martin Company in Baltimore, Maryland.

See the Martin representative visiting this campus. Contact your placement office for appointment and further details.

FEBRUARY 28 AND MARCH 1, 1957

MARTIN
BALTIMORE · MARYLAND



FORMAL WEAR FOR HIRE

Complete Selection of Formal Wear for any occasion. All outfits of Top Quality in the latest styles.

Open Monday night till 8:30 p.m.

CROSTON & CARR

Gentlemen's Clothiers

72 SUMMER STREET, BOSTON

HA 6-3789

Ingersoll-Rand

will interview Senior Engineers on

MARCH 1

Sign up at your Placement Office.

Wide range of opportunities with major manufacturer of compressors, pumps, engines, blowers, vacuum equipment, power tools and rock drills.



WINSTON

gives you the break on flavor!

Time out for flavor!—and *what* flavor! This filter cigarette tastes rich and full. And its pure, snowy-white filter does the job so well the flavor really comes through. Winston is the filter cigarette you *enjoy*—that's why it's America's favorite!

Smoke WINSTON...enjoy the snow-white filter in the cork-smooth tip!



R. J. REYNOLDS
TOBACCO CO.,
WINSTON-SALEM, N. C.